

FIVE-YEAR STRATEGIC PLAN 2005-2010

Annual Update 2007

E-rate Funding Year 2008-2009

BOONE COUNTY SCHOOLS CENTRAL OFFICE

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"Good plans shape good decisions.

That's why good planning helps to make elusive dreams come true."

Lester R. Bittel, *The Nine Master Keys of Management*

SCHOOL SYSTEM STRATEGIC PLANNING COMMITTEE

Administration	Superintendent	Steve Pauley
	Assistant Superintendent	John Hudson
	Assistant Superintendent	Lisa D. Beck
	Director of Special Education	Mary Knapp
	Coordinator of Federal Programs/Technology	Nora Dotson
	Principal	Leonard Bolton
	Coordinator of Personnel	Deborah Fairchild
Parents	Parent	Sarah Shaffer
Service Personnel	Secretary	Jeanne Castle
	Teachers	Teacher
	Mathematics Coordinator & Instructional Coach	Nancy Booth
	Special Education Teacher	Kathy Swanson

The committee broke into subgroups to work on the sections of the plan. They then brought back a draft of their section to review and revise with the group. The entire plan was presented to the Faculty Senate and Local School Improvement Council for review, before submission.

SCHOOL SYSTEM MISSION STATEMENT

Boone County Schools accepts the responsibility and the accountability to create conditions that produce both quality and equity in student results. WE will provide rigorous, high quality educational experiences that ensure success for ALL students.

CORE BELIEFS THAT DRIVE SCHOOL SYSTEM IMPROVEMENT

We believe...

1. A climate of high expectations for ALL is necessary for continuous improvement.
2. Given time and opportunity, All students will achieve mastery of the essential curriculum.
3. Strong instructional leadership and highly qualified personnel are required to drive the curriculum to achieve mastery for ALL.
4. Systemic commitment to continuous improvement will result in improved teaching and learning for ALL.
5. Assessment, data disaggregation and instructional focus are essential components for measuring student achievement.
6. A positive, safe and nurturing environment is required for ALL students to achieve mastery.
7. Collaboration with parents and community will provide greater educational opportunities for school improvement.

Annual Budget

Required Strategic Plan Budget Funding Source Totals

Funding Source	Amount
County	110,000.00
Special Grants	122,500.00
Step 7	105,000.00
Technology E-rate	172,020.19
Technology E-rate County Match	49,589.80
Technology TFS/Elementary E-rate	0.00
Technology TFS/Elementary E-rate County Match	0.00
Technology TFS/Secondary E-rate	0.00
Technology TFS/Secondary E-rate County Match	0.00
Telecommunications	65,616.00
TFS/Elementary Technology	60,946.00
TFS/Secondary Technology	75,323.00
Title II	379,020.00
Title IV Safe and Drug Free Carryover Budget	5,000.00
Title IV Safe and Drug Free Schools	30,277.44
Title V	7,750.00
Total	\$ 1,183,042.43

DATA ANALYSIS

A. EXTERNAL DATA ANALYSIS

What enrollment increases or decreases have occurred in your school system? How has this impacted the system?

Boone County is experiencing a slight enrollment increase; however, the main change is a shift in population concentration. There has been a shift in population to the Madison/Danville area. The result is many classrooms in Brookview and Madison Elementary are at capacity or near capacity as defined by state law. In addition, the buildings are near capacity.

The second effect is the decrease in enrollment in the smaller rural schools. The result is several split classrooms in smaller schools.

Careful analysis of this trend has led to exploration of options such as realigning school configurations and realigning of transfer policy.

What are the changes in family characteristics or background of the students served in your county? What are the implications?

Boone County has had a decrease in juvenile delinquency rates. The number of low socio-economic students attending Boone County Schools has remained fairly constant, with 54.11% of the students qualifying for free or reduced lunches.

PRIORITIES

1. Academic achievement of low socio-economic students
2. Increase in reported substance abuse as it impacts students' achievement

B. STUDENT ACHIEVEMENT DATA ANALYSIS

No Child Left Behind School Reports

1. County-wide mathematics achievement scores were below state averages for all student populations.
2. Special education cell groups' performance in reading, shows improvement and is above the state performance averages.
3. Low SES student performance in reading at the middle and high school levels is below state performance averages.
4. Boone County School's all populations, for elementary and secondary school levels, performance in reading is slightly below state levels of performance.
5. Performance levels of low SES and special education students in math and reading lags 5-10 percentage points below the all population across all cell groups.

WESTEST Confidential Item Analysis Summary

Mathematics and reading performance in higher level thinking tasks is below mastery level in all student populations.

WESTEST Confidential Roster Report

Individual school's academic focus skills are based on individual student performance in specific skill areas.

WV Writing Assessment

1. Student performance in the fourth and seventh grade is below the state average on the writing assessment with the tenth grade students scoring equal to the state for the "at or above mastery levels."
2. Student performance in all three grade levels on the writing assessment indicates a low level of above mastery and distinguished level students.

SAT/ACT Results

ACT scores in math are above the state average with science scores equal to the state average. Also the reading and the composite scores for Boone County students show continued gains.

ACT Explore - Grade 8 Middle School

ACT Explore scores in math and reading are below state averages.

ACT Plan - Grade 10 High School

ACT Plan scores in math and reading are below state averages.

AP Testing Report/AP Rate

N/A

Formative and Benchmark Assessments

PRIORITIES

1. County-wide mathematics achievement scores were below state averages for all student populations.
2. Performance levels of low SES and special education students in math and reading lags 5-10 percentage points below the all population across all cell groups.
3. Low SES student performance in reading at the middle and high school levels is below state performance averages.
4. Boone County School's all populations, for elementary and secondary school levels, performance in reading is slightly below state levels of performance.
5. Special education cell groups' performance in reading, at the elementary, middle, and secondary school levels does not meet adequate yearly progress.

C. OTHER STUDENT OUTCOMES

ANALYSIS

Attendance Report (by subgroup if available)

Boone County Schools' attendance rates, excused and unexcused, have declined. This impacts student achievement especially at the secondary level.

Discipline Referral Report

There is a disproportionality of discipline referrals of Special Education population students county-wide.

Dropout Rates/Graduation Rates (by subgroup if available)

The graduation rate of special education students has declined over the last three years, while the graduation rate of the all population has increased; therefore, the gap between regular students and special education students has expanded.

College Enrollment Rate

60% of seniors enroll in college.

College Developmental Course Rate

48% of all college enrolled students take some developmental coursework.

Results of Nationally Recognized Physical Fitness Test

There has been a 5% decrease in percent of qualifiers county-wide from 1998-1999.

CIMP Self Assessment

type your summary here

Special Education Data Profiles

18% of the teachers who were employed to teach students with disabilities during the 2005-06 school year were not fully certified. This was an improvement of 2% from the 2004-05 school year. All of the teachers who were not fully certified were working on permit and many are close to completing their certification with supports from the State of WV and Boone County Schools.

PRIORITIES

1. Low SES and Special Education students low attendance rates
2. Special Education students declining graduation rate
3. Number of students enrolled in remedial level college courses upon college enrollment from high school.

D. CULTURE AND CONDITIONS

ANALYSIS

Monitoring Reports (Special Education and NCLB)

BCS will be monitored in this school year. All monitoring concerns will be addressed.

Federal Programs Monitoring March 2005-Findings-

- Title IV: Record keeping needs improvement
- Title II: Highly qualified teachers in all classes

Revisions made as a result of monitoring findings:

>Title IV records issue has been remedied by improvement in organization.

>The Title II program has been revised to include:

- a tuition reimbursement program,
- active recruitment of highly qualified personnel at college job fairs on the campus' of all WV higher education teacher education programs,
- active use of the WVDE teacher interactive job posting web site,
- high quality professional development through the use of an Instructional Coaching Program.

Highly Qualified Personnel Report

- Not in compliance with NCLB requirements.
- Efforts are underway to recruit highly qualified teachers.
- BCS Personnel Coordinator and Instructional Coaches visited colleges across the state to recruit highly qualified teachers and were able to hire highly qualified teachers to fill some positions.
- Other avenues being explored include distance learning and virtual courses.
- Professional development is provided to all teachers.
- All new teachers, including long term substitutes are provided a mentor.

Digital Divide Report (Technology)

Data Summary:

- Boone Student to Computer Ratio: 4.07:1
- Total Computers county-wide=1984
- Total Computers Windows XP operating systems= 56.3% of computers county-wide are running on operating systems Windows XP or higher.

- 100% of Boone County teachers report 1-5 hours of Technology Integration Training.
- Analysis: Boone County Schools is maintaining a level of computers to students that is equivalent to other similar sized counties in West Virginia. However, the ratios are slightly below the state average. In addition, much of the hardware in the county is becoming dated and needs to be replaced. In order to meet the goal of integrating technology into instruction, up-to-date hardware is required. Upgrading of systems county wide will be continued and expedited as funding becomes available.

PRIORITIES

1. Increase the number of highly qualified teachers to 100%. (According to NCLB timeline.)
2. Eliminate all computers running on Windows 95,98 or 2000. Increase the number of computers county-wide running on Windows XP or higher.
3. Provide professional development for teachers to successfully and appropriately integrate technology applications into instruction.

GOALS, SPECIFIC OBJECTIVE AND PERFORMANCE TARGET

Goal 1: By 2010, 85% of all Boone County students will reach proficiency in mathematics as measured by state and national standardized tests.

	Objective	Objective Short Name	Baseline	5-year Target
1.1	The percentage of students scoring at mastery or above on the WESTEST mathematics subtest will increase by three (3%) percent annually.	Mathematics 3% annual increase	71.00	85.00
1.2	The average ACT test score in mathematics will increase by four tenths (.4) annually.	Math ACT (.4) annual increase	19.60	21.60

Goal 2: By 2010, 90% of all Boone County students will reach proficiency in reading/language arts as measured by state and national standardized tests.

	Objective	Objective Short Name	Baseline	5-year Target
2.1	The percentage of students scoring at mastery or above on the WESTEST Reading/Language Arts subtest will increase by three (3%) percent annually.	RLA 3% annual increase	78.00	90.00
2.2	The average ACT test score in Reading will increase by four tenths (.4) annually.	Reading ACT (.4) annual increase	20.10	22.10
2.3	The percentage of students scoring at mastery or above on the West Virginia Writing Assessment will increase three percent (3%) annually.	Writing Assessment 3% annual increase	76.50	90.00

Goal 3: The achievement gap in mathematics and language arts will decrease annually among all subgroups as measured by state and national standardized tests.

	Objective	Objective Short Name	Baseline	5-year Target
3.1	The percentage of Low SES students scoring at mastery or above on the WESTEST Mathematics subtest will increase by five (5%) percent annually.	Low SES 5% annual increase in math	63.00	85.00
3.2	The percentage of Students With Disabilities scoring at mastery or above on the WESTEST Mathematics subtest will increase by five (5%) percent annually.	Disability 5% annual increase in math	39.00	64.00
3.3	The percentage of Low SES students scoring at mastery or above on the WESTEST Reading/Language Arts subtest will increase by four (4%) percent annually.	Low SES 4% annual increase in RLA	70.00	90.00
3.4	The percentage of Students With Disabilities scoring at mastery or above on the WESTEST Reading/Language Arts subtest will increase by five (5%) percent annually.	Disability 5% annual increase in RLA	39.00	64.00

Goal 4: All students will be educated in a safe and drug-free learning environment that supports academic achievement. (Title IV)

	Objective	Objective Short Name	Baseline	5-year Target
4.1	To increase the identification and involvement of students in the Student Assistance Team by 10%.	Student Assistance Team	0.00	0.00
4.2	To improve attendance, reduce repeat ATOD/violence policy violations, and/or improve academic performance of students participating in SAP by 10%.	Student Assistance Program	0.00	0.00
4.3	To increase the security of students while attending or traveling to and from school by 10%.	Security	0.00	0.00
4.4	To reduce the number of violence and/or weapons related incidents in or on school grounds by 10%.	Weapons/Violence Violations	0.00	0.00
4.5	To increase the skills of students in utilizing nonviolent means to solve interpersonal conflict by 10%.	Preventive Discipline	0.00	0.00
4.6	To reduce disciplinary infractions related to bullying, harassment, and/or intimidation by 10%.	Bullying	0.00	0.00
4.7	To increase the skill of students in		0.00	0.00

	rejecting alcohol, tobacco, and/or other drug use by 10%.	ATOD Skills		
4.8	To reduce the number of alcohol, tobacco, and/or other drug policy violations by 10%.	ATOD Violations	0.00	0.00
4.9	To increase funding and support for the Title V Program.	Other Federal Program Support	0.00	0.00
4.10	To assure the appropriate administration and coordination of the Title IV program.	Title IV Coordination	0.00	0.00

Goal 5: Students will improve achievement through the integration of technology and the development of 21st century skills.

	Objective	Objective Short Name	Baseline	5-year Target
5.1	BCS will improve technology infrastructure, equipment and software by eliminating 100% of Windows 95, 98 and 2000 computers and updating software.	Technology Infrastructure	59.00	100.00
5.2	BCS will improve technology integration by teachers by providing professional development to all teachers.	Increased Technology Integration	0.00	100.00
5.3	BCS will update the distance learning hardware and infrastructure in all high schools.	Update Distance Learning Hardware	0.00	100.00

Goal 1: By 2010, 85% of all Boone County students will reach proficiency in mathematics as measured by state and national standardized tests.

Objective 1.1 The percentage of students scoring at mastery or above on the WESTEST mathematics subtest will increase by three (3%) percent annually.

As measured by:

WESTEST mathematics scores (All Population subgroup)

Baseline Data				71.00
	Targets		Actual	
	2005-2006	74.00	2005-2006	74.00
	2006-2007	77.00	2006-2007	73.58
	2007-2008	80.00	2007-2008	N/A
	2008-2009	83.00	2008-2009	N/A
	2009-2010	85.00	2009-2010	N/A

Objective 1.2 The average ACT test score in mathematics will increase by four tenths (.4)annually.

As measured by:

The average ACT mathematics subject area score.

Baseline Data				19.60
	Targets		Actual	
	2005-2006	20.00	2005-2006	19.70
	2006-2007	20.40	2006-2007	19.60
	2007-2008	20.80	2007-2008	N/A
	2008-2009	21.20	2008-2009	N/A
	2009-2010	21.60	2009-2010	N/A

Goal 2: By 2010, 90% of all Boone County students will reach proficiency in reading/language arts as measured by state and national standardized tests.

Objective 2.1 The percentage of students scoring at mastery or above on the WESTEST Reading/Language Arts subtest will increase by three (3%) percent annually.

As measured by:

WESTEST Reading/Language Arts scores (All Population subgroup)

Baseline Data		78.00	
Targets		Actual	
2005-2006	81.00	2005-2006	78.70
2006-2007	84.00	2006-2007	78.29
2007-2008	87.00	2007-2008	N/A
2008-2009	90.00	2008-2009	N/A
2009-2010	90.00	2009-2010	N/A

Objective 2.2 The average ACT test score in Reading will increase by four tenths (.4) annually.

As measured by:

The average ACT Reading subject area score.

Baseline Data		20.10	
Targets		Actual	
2005-2006	20.50	2005-2006	21.00
2006-2007	20.90	2006-2007	21.00
2007-2008	21.30	2007-2008	N/A
2008-2009	21.70	2008-2009	N/A
2009-2010	22.10	2009-2010	N/A

Objective 2.3 The percentage of students scoring at mastery or above on the West Virginia Writing Assessment will increase three percent (3%) annually.

As measured by:

The average of West Virginia Writing Assessment scores for all grade levels tested.

Baseline Data		76.50	
Targets		Actual	
2005-2006	79.50	2005-2006	0.00
2006-2007	82.50	2006-2007	75.62
2007-2008	85.50	2007-2008	N/A
2008-2009	88.50	2008-2009	N/A
2009-2010	90.00	2009-2010	N/A

Goal 3: The achievement gap in mathematics and language arts will decrease annually among all subgroups as measured by state and national standardized tests.

Objective 3.1 The percentage of Low SES students scoring at mastery or above on the WESTEST Mathematics subtest will increase by five (5%) percent annually.

As measured by:
The Low SES Subgroup WESTEST Mathematics score.

Baseline Data		63.00	
Targets		Actual	
2005-2006	68.00	2005-2006	66.10
2006-2007	73.00	2006-2007	66.08
2007-2008	78.00	2007-2008	N/A
2008-2009	83.00	2008-2009	N/A
2009-2010	85.00	2009-2010	N/A

Objective 3.2 The percentage of Students With Disabilities scoring at mastery or above on the WESTEST Mathematics subtest will increase by five (5%) percent annually.

As measured by:
The Students With Disabilities Subgroup WESTEST Mathematics score.

Baseline Data		39.00	
Targets		Actual	
2005-2006	44.00	2005-2006	42.00
2006-2007	49.00	2006-2007	41.61
2007-2008	54.00	2007-2008	N/A
2008-2009	59.00	2008-2009	N/A
2009-2010	64.00	2009-2010	N/A

Objective 3.3 The percentage of Low SES students scoring at mastery or above on the WESTEST Reading/Language Arts subtest will increase by four (4%) percent annually.

As measured by:
The Low SES Subgroup WESTEST Reading/Language Arts score.

Baseline Data		70.00	
Targets		Actual	
2005-2006	74.00	2005-2006	71.00
2006-2007	78.00	2006-2007	70.76
2007-2008	82.00	2007-2008	N/A
2008-2009	86.00	2008-2009	N/A
2009-2010	90.00	2009-2010	N/A

Objective 3.4 The percentage of Students With Disabilities scoring at mastery or above on the WESTEST Reading/Language Arts subtest will increase by five (5%) percent annually.

As measured by:
The Students With Disabilities Subgroup WESTEST Reading/Language Arts score.

Baseline Data		39.00	
Targets		Actual	
2005-2006	44.00	2005-2006	41.00
2006-2007	49.00	2006-2007	40.39
2007-2008	54.00	2007-2008	N/A
2008-2009	59.00	2008-2009	N/A
2009-2010	64.00	2009-2010	N/A

Goal 4: All students will be educated in a safe and drug-free learning environment that supports academic achievement. (Title IV)

Objective 4.1 To increase the identification and involvement of students in the Student Assistance Team by 10%.

As measured by:

Student Assistance Program Logs

Baseline Data		0.00	
Targets		Actual	
2005-2006	0.00	2005-2006	0.00
2006-2007	0.00	2006-2007	0.00
2007-2008	0.00	2007-2008	N/A
2008-2009	0.00	2008-2009	N/A
2009-2010	0.00	2009-2010	N/A

Objective 4.2 To improve attendance, reduce repeat ATOD/violence policy violations, and/or improve academic performance of students participating in SAP by 10%.

As measured by:

Student Assistance Program Logs, Attendance Rates, WVEIS Data

Baseline Data		0.00	
Targets		Actual	
2005-2006	0.00	2005-2006	0.00
2006-2007	0.00	2006-2007	0.00
2007-2008	0.00	2007-2008	N/A
2008-2009	0.00	2008-2009	N/A
2009-2010	0.00	2009-2010	N/A

Objective 4.3 To increase the security of students while attending or traveling to and from school by 10%.

As measured by:

WVEIS Data, PRIDE Surveys

Baseline Data		0.00	
Targets		Actual	
2005-2006	0.00	2005-2006	0.00
2006-2007	0.00	2006-2007	0.00
2007-2008	0.00	2007-2008	N/A
2008-2009	0.00	2008-2009	N/A
2009-2010	0.00	2009-2010	N/A

Objective 4.4 To reduce the number of violence and/or weapons related incidents in or on school grounds by 10%.

As measured by:

WVEIS Data

Baseline Data		0.00	
Targets		Actual	
2005-2006	0.00	2005-2006	0.00
2006-2007	0.00	2006-2007	0.00
2007-2008	0.00	2007-2008	N/A
2008-2009	0.00	2008-2009	N/A
2009-2010	0.00	2009-2010	N/A

Objective 4.5 To increase the skills of students in utilizing nonviolent means to solve interpersonal conflict by 10%.

As measured by:

Pride Survey & Peer Mediation Records

Baseline Data		0.00	
Targets		Actual	
2005-2006	0.00	2005-2006	0.00
2006-2007	0.00	2006-2007	0.00
2007-2008	0.00	2007-2008	N/A
2008-2009	0.00	2008-2009	N/A
2009-2010	0.00	2009-2010	N/A

Objective 4.6 To reduce disciplinary infractions related to bullying, harassment, and/or intimidation by 10%.

As measured by:

WVEIS Data, PRIDE Survey & School Coordinator Records

Baseline Data		0.00	
Targets		Actual	
2005-2006	0.00	2005-2006	0.00
2006-2007	0.00	2006-2007	0.00
2007-2008	0.00	2007-2008	N/A
2008-2009	0.00	2008-2009	N/A
2009-2010	0.00	2009-2010	N/A

Objective 4.7 To increase the skill of students in rejecting alcohol, tobacco, and/or other drug use by 10%.

As measured by:

PRIDE Survey, School Coordinator Records, LifeSkills Lesson Plans

Baseline Data				0.00
	Targets		Actual	
	2005-2006	0.00	2005-2006	0.00
	2006-2007	0.00	2006-2007	0.00
	2007-2008	0.00	2007-2008	N/A
	2008-2009	0.00	2008-2009	N/A
	2009-2010	0.00	2009-2010	N/A

Objective 4.8 To reduce the number of alcohol, tobacco, and/or other drug policy violations by 10%.

As measured by:

WVEIS Data

Baseline Data				0.00
	Targets		Actual	
	2005-2006	0.00	2005-2006	0.00
	2006-2007	0.00	2006-2007	0.00
	2007-2008	0.00	2007-2008	N/A
	2008-2009	0.00	2008-2009	N/A
	2009-2010	0.00	2009-2010	N/A

Objective 4.9 To increase funding and support for the Title V Program.

As measured by:

Title IV Program Transfer

Baseline Data				0.00
	Targets		Actual	
	2005-2006	0.00	2005-2006	0.00
	2006-2007	0.00	2006-2007	0.00
	2007-2008	0.00	2007-2008	N/A
	2008-2009	0.00	2008-2009	N/A
	2009-2010	0.00	2009-2010	N/A

Objective 4.10 To assure the appropriate administration and coordination of the Title IV program.

As measured by:

School Coordinator Records

Baseline Data				0.00
	Targets		Actual	
	2005-2006	0.00	2005-2006	0.00
	2006-2007	0.00	2006-2007	0.00
	2007-2008	0.00	2007-2008	N/A
	2008-2009	0.00	2008-2009	N/A
	2009-2010	0.00	2009-2010	N/A

Goal 5: Students will improve achievement through the integration of technology and the development of 21st century skills.

Objective 5.1 BCS will improve technology infrastructure, equipment and software by eliminating 100% of Windows 95, 98 and 2000 computers and updating software.

As measured by:
Digital Divide Survey Data

Baseline Data		59.00	
Targets		Actual	
2005-2006	60.00	2005-2006	51.00
2006-2007	70.00	2006-2007	56.30
2007-2008	80.00	2007-2008	N/A
2008-2009	90.00	2008-2009	N/A
2009-2010	100.00	2009-2010	N/A

Objective 5.2 BCS will improve technology integration by teachers by providing professional development to all teachers.

As measured by:
Digital Divide Survey Data/Teacher participation in technology integration professional development.

Baseline Data		0.00	
Targets		Actual	
2005-2006	0.00	2005-2006	100.00
2006-2007	100.00	2006-2007	100.00
2007-2008	100.00	2007-2008	N/A
2008-2009	100.00	2008-2009	N/A
2009-2010	100.00	2009-2010	N/A

Objective 5.3 BCS will update the distance learning hardware and infrastructure in all high schools.

As measured by:
Completion and utilization of distance learning hardware in all Boone County High Schools.

Baseline Data		0.00	
Targets		Actual	
2005-2006	0.00	2005-2006	0.00
2006-2007	100.00	2006-2007	100.00
2007-2008	100.00	2007-2008	N/A
2008-2009	100.00	2008-2009	N/A
2009-2010	100.00	2009-2010	N/A

Technology Plan

Submitted by - ngd06001 2007-09-15 19:28:44.0

E-rate Year 2008-2009

Federal Compliances

Federal/State Compliances listed below must be addressed in the county/school plan.

Technology -01 – USING TECHNOLOGY EQUIPMENT/INFRASTRUCTURE FOR EQUITABLE ACCESS TO 21ST CENTURY TECHNOLOGY TOOLS

List one or more activity/strategy that describes how the county/school will budget for and use the technology equipment/infrastructure that supports the acquisition of twenty-first century skills. The action steps should ensure that the capabilities of the technology infrastructure are adequate for acceptable performance of the technology being implemented in the public schools.

Technology 02 - TECHNOLOGY INTEGRATION FOR 21ST CENTURY SKILLS/STUDENT ACHIEVEMENT

List one or more activity/strategy that focuses on using technology to improve achievement of all students with special emphasis on high need and high poverty students. The strategies/action steps should include how 21st century tools and skills will allow students to access information, solve problems, communicate clearly, make informed decisions, acquire new knowledge, construct products, reports and systems and access online assessment systems.

Technology 03- PROVIDING COLLABORATION/COMMUNICATION TOOLS (TELECOMMUNICATIONS NETWORK/EMAIL)

List one or more activity/strategy that describes how the county/school will ensure that the use of telecommunications and internal connections in the schools will enhance student learning. The action steps/strategies should ensure sufficient bandwidth to support teaching and learning and to provide satisfactorily for instructional management needs.

Technology 04- INCREASED ACCESS FOR STUDENTS AND TEACHERS TO 21ST CENTURY TOOLS

List one or more activity/strategy that describes how the county/school will provide increased access to technology for students and teachers. .

Technology 05 – DELIVERY OF 21ST CENTURY CONTENT THROUGH DISTANCE LEARNING

List one or more activity/strategy that describes how the county/school will use innovative strategies (e.g., distance learning) to provide for an effective model for the distance delivery or virtual delivery of instruction in subjects where there exists low student enrollment or a shortage of certified teachers or where the delivery method substantially improves the quality of an instructional program (e.g., WV Virtual School).

Technology 06- 21ST CENTURY PARENT/COMMUNITY/PARTNERSHIP COLLABORATION

Include strategies for promoting collaboration with various partners including parents, community organizations, higher education, schools of colleges and universities, employers and content providers.

Technology 07- PROFESSIONAL DEVELOPMENT FOR 21ST CENTURY INSTRUCTION

Include professional development activities for using the telecommunications network for training teachers and administrators to improve the integration of technology. Include strategy(ies) (e.g., technology integration specialists). to provide ongoing support and assistance to teachers in integrating technology into twenty-first century instruction.

Technology 08- MAINTENANCE AND REPAIR OF 21ST CENTURY TOOLS

List one or more activity/strategy that describes how the school/county will implement, support, maintain and repair all computer equipment and internal connections.

Technology 09- ADULT LITERACY

List one or more activity/strategy that describes how the school/ county will collaborate with adult literacy providers when appropriate.

Narrative Summary

The county and school technology plans provide a description of how the county and schools plan to allocate adequate resources to provide students with equitable access to 21st century technology tools, including instructional offerings and appropriate curriculum, assessment and technology integration resources aligned to both the content and rigor of state content standards as well as to learning skills and technology tools. The plans include the various technologies that enable and enhance the attainment of 21st century skills outcomes for all students. How we plan for technology in our county and schools is based upon the validation from research-based evaluation findings from previous West Virginia-based evaluation projects.

In addition, through the technology planning process, the county and schools continue to study and include emerging technologies for application in a twenty-first century learning environment. The purchase of technology through state contracts provides for uniformity in technological hardware and software standards and procedures. State provided anti-virus protection software helps to ensure network security and integrity. Expanded bandwidth, along with additional local, state and federal funding, provide increased ability for the county to ensure that the capabilities and capacities of the technology infrastructure are adequate for acceptable performance of the

technology being implemented in the public schools. As an additional benefit, the county and schools enjoy the opportunity to purchase from state contracts that allow us to be able to take advantage of appropriate bulk purchasing abilities and to purchase from competitively bid contracts.

An added benefit for our county and school data collection and reporting to the Department of Education and to the federal government is WVEIS, the state-provided comprehensive statewide uniform integrated education management and information system. Also developed by WVEIS, the online county and school's technology plan's structure allows flexibility to adjust the plan based on developing technology, federal and state requirements and changing local school and county needs. The online county and school technology plans are developed in compliance with United States Department of Education regulations and Federal Communications Commission requirements for federal E-rate discounts. The county and schools also continue to seek applicable federal government funds, philanthropic funds, and other partnership funds (or any combination of these types of funds) to augment state appropriations and encourage the pursuit of funding through grants, gifts and donations.

Some technology initiatives in schools and counties may not be adequately addressed in the goals/objective/strategy section of the technology planning section. The county and school narrative allow planning teams to structure a framework/narrative description to describe how the county and schools will allocate adequate resources to provide students and teachers to twenty-first century technology tools,

Technology Needs Assessment

Data Summary:

- Boone Student to Computer Ratio: 4.07:1
- Total Computers county-wide=1984
- Total Computers Windows XP operating systems= 56.3% of computers county-wide are running on operating systems Windows XP or higher.
- 100% of Boone County teachers report 1-5 hours of Technology Integration Training.
- Analysis: Boone County Schools is maintaining a level of computers to students that is equivalent to other similar sized counties in West Virginia. However, the ratios are slightly below the state average. In addition, much of the hardware in the county is becoming dated and needs to be replaced. In order to meet the goal of integrating technology into instruction, up-to-date hardware is required. Upgrading of systems county wide will be continued and expedited as funding becomes available.

Action Steps

Technology 01-Using Technology Equipment/Infrastructure for Equitable Access to 21st Century Technology Tools

Plan Section Technology

Associated Goals/Objectives Technology Infrastructure

Associated High Yield Strategies None

Action Step -TECH/01-The county/school will budget for and use the technology equipment/infrastructure that supports the acquisition of twenty-first century skills

- 01 - BCS Tools for Schools funded computers will upgrade hardware and provide presentation hardware in Boone County classrooms.
- 02 - BCS will build technology infrastructure integrated into the Sherman Junior to Sherman Middle Expansion/Renovation project to support 21st Century learning
- 03 - Upgrade computers in Boone County Schools to Windows XP or higher.
- 04 - BCS will provide a mobile lab to the following schools: Scott High, Sherman High, Van Jr/Sr., Madison Middle, Sherman Junior High, Sherman Elementary, and Brookview Elementary using Tools for Schools Elementary and Tools for Schools Secondary funds.
- 05 - BCS will use Tools for Schools Elementary and Secondary Funds to provide updated equipment in the remaining schools.
- 06 - BCS will support technology in all schools through the inclusion of Step 7 fundings.

Projected Begin Date	Projected End Date	Actual Begin Date	Actual End Date
July 1, 2007	June 30, 2010	?	?

Purpose To ensure that the capabilities of the technology infrastructure are adequate for acceptable performance of the technology being implemented in the Boone County schools.

Persons Responsible

Federal Compliances
 Technology 01-Using Technology Equipment/Infrastructure for Equitable Access to 21st Century Technology Tools

Technology 02-Technology Integration for 21st Century Skills/Student Achievement

Plan Section Technology**Associated Goals/Objectives** Technology Infrastructure **Associated High Yield Strategies** None**Action Step** -TECH/02-Focus on using technology to improve achievement of all students with special emphasis on high need and high poverty students

- 01 - Integrate Compass Learning programs into appropriate curriculum, including correlation with West Virginia Content Standards.
- 02 - Participate in on-line writing practice (using the Writing Roadmap) sessions for students prior to WV Writing Assessment
- 03 - Technology integration for instructional purposes: I Know website, Marco Polo, School Kit, SAS, Reinventing Education, etc.

Projected Begin Date	Projected End Date	Actual Begin Date	Actual End Date
July 1, 2007	June 30, 2010	?	?

Purpose To allow students to access information, solve problems, communicate clearly, make informed decisions, acquire new knowledge, construct products, reports and systems and access online assessment systems**Persons Responsible**

Federal Compliances
 Technology 02-Technology
 Integration for 21st Century
 Skills/Student Achievement

Technology 03-Providing Collaboration/Communication Tools (Telecommunications Network/Email)

Plan Section Technology**Associated Goals/Objectives** Technology Infrastructure **Associated High Yield Strategies** None**Action Step** -TECH/03-Ensure that the use of telecommunications and internal connections in the schools will enhance student learning

- 01 - Administrators will participate in a county-wide listserv for information sharing.
- 02 - BCS will plan to maintain internal connections for the renovation/expansion of Sherman Junior/Middle School as part of BCS Strategic Plan.
- 03 - Central Office will purchase cellular service for 5 cell phones.
- 04 - Data T-1 line service will be implemented for all schools in the county.
- 05 - Expand the use of email in all school applications for teachers, administrators, parents and students.
- 06 - High-speed Internet access in all classrooms will be maintained through the use of Tools for Schools funding.
- 07 - Internet access will be provided for the Central Office.
- 08 - Long distance phone services will be provided through out the county.
- 09 - Pager devices will be provided for selected members of the central office staff.
- 10 - Provide local voice telephone service.

Projected Begin Date	Projected End Date	Actual Begin Date	Actual End Date
July 1, 2007	June 30, 2010	?	?

Purpose To ensure sufficient bandwidth to support teaching and learning and to provide satisfactorily for instructional management needs.**Persons Responsible**

Federal Compliances
 Technology 03-Providing
 Collaboration/Communication
 Tools (Telecommunications
 Network/Email)

Technology 04-Increased Access for Students and Teachers to 21st Century Tools

Plan Section Technology

Associated Goals/Objectives Technology Infrastructure **Associated High Yield Strategies** None

Action Step -TECH/04-Ensure increased access to technology for students and teachers

- 01 - Boone County Schools will support the continuation of the TOC Center at Madison Middle School and Sherman Junior High.
- 02 - Provide presentation stations to selected BC teachers through the use of Title I funds, Step 7 funds and WVDE teacher leader funded technology.

Projected Begin Date	Projected End Date	Actual Begin Date	Actual End Date
July 1, 2007	June 30, 2010	?	?

Purpose To improve the integration of technology and 21st century skills

Persons Responsible

Federal Compliances
 Technology 04-Increased Access for Students and Teachers to 21st Century Tools

Technology 05-Delivery of 21st Century Content through Distance Learning

Plan Section Technology

Associated Goals/Objectives Technology Infrastructure **Associated High Yield Strategies** None

Action Step -TECH/05-Use innovative strategies (e.g., distance learning) to provide for an effective model for the distance delivery or virtual delivery of instruction

- 01 - Utilize the Distance learning Centers via IP technology to offer high school courses in low enrollment subject areas and high level courses.
- 2 - Utilize Virtual Schools course offerings to offer high school courses in Foreign Language.

Projected Begin Date	Projected End Date	Actual Begin Date	Actual End Date
July 1, 2007	June 30, 2010	?	?

Purpose To enhance the curriculum offerings at high schools, middle schools and elementary schools

Persons Responsible

Federal Compliances
 Technology 05-Delivery of 21st Century Content through Distance Learning

Technology 06-21st Century Parent/Community/Partnership Collaboration

Plan Section Technology

Associated Goals/Objectives Technology Infrastructure **Associated High Yield Strategies** None

Action Step -TECH/06-Promote collaboration with various partners including parents, community organizations, higher education, schools of colleges and universities, employers and content providers

- 01 - All Boone County Schools will continue the use of Edline (Online student grade reporting & communication via teacher web sites)
- 02 - Boone County Schools will continue use of Phone "Messenger", (an automatic calling service)in pilot schools.

Projected Begin Date	Projected End Date	Actual Begin Date	Actual End Date
July 1, 2007	June 30, 2010	?	?

Purpose To improve communication with families and government and community stakeholders

Persons Responsible

Federal Compliances

Technology 07-Professional Development for 21st Century Instruction

Plan Section Technology

Associated Goals/Objectives Technology Infrastructure

Associated High Yield Strategies None

Action Step -TECH/07-Provide professional development activities for using the telecommunications network for training teachers and administrators

- 01 - Boone County Schools will support Technology Integration Specialists, as participants in the WVDE initiative.
- 02 - Provide opportunity to participate in "Virtual Surgery" through collaboration with CAMC and all High Schools.
- 03 - Boone County Schools will support application for Round 5 EETT (Ed Tech)grant for TIS/technology program at Sherman Junior High.

Projected Begin Date	Projected End Date	Actual Begin Date	Actual End Date
July 1, 2007	June 30, 2010	?	?

Purpose To improve the integration of technology including technology integration specialists). to provide ongoing support and assistance to teachers in integrating technology into twenty-first century instruction

Persons Responsible

Federal Compliances
Technology 07-Professional Development for 21st Century Instruction

Technology 08-Maintenance and Repair of 21st Century Tools

Plan Section Technology

Associated Goals/Objectives Technology Infrastructure

Associated High Yield Strategies None

Action Step -TECH/08- To implement, support, maintain and repair all computer equipment and internal connections.

- 01 - BCS will routinely install and update Norton's antivirus and Windows updates on all BCS PCs using, school computer contacts.
- 02 - Boone County Schools will provide a technology technician on a contracted basis in each school. Each school will have a technician available on a weekly basis, and a county wide technician will be available as needed.
- 03 - BCS will collaborate with RESA and vendor supplied help desk to provide timely maintenance

Projected Begin Date	Projected End Date	Actual Begin Date	Actual End Date
July 1, 2007	June 30, 2010	?	?

Purpose To improve the reliability of the network and the integration of technology

Persons Responsible

Federal Compliances
Technology 08-Maintenance and Repair of 21st Century Tools

Technology 09-Adult Literacy

Plan Section Technology

Associated Goals/Objectives Technology Infrastructure

Associated High Yield Strategies None

Action Step -TECH/09- To collaborate with adult literacy providers when appropriate

Projected Begin Date	Projected End Date	Actual Begin	Actual End
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July 1, 2007

June 30, 2010

Date
?

Date
?

Purpose To improve the collaboration with stakeholders
Persons Responsible

Federal Compliances
Technology 09-Adult Literacy

E-rate Budgets

Funding Source	Year		Annual	Disc% Commit	County Match
E-rate funds	2008	Bundled Voice/Long Distance	0.00	0.00	0.00
		Cellular	3,584.00	2,760.00	824.00
		Data Lines	96,768.00	74,511.00	22,257.00
		Internal Conn Maint	0.00	0.00	0.00
		Internal Connections	46,017.00	36,813.00	9,203.00
		Internet Access	0.00	0.00	0.00
		Long Distance	18,503.00	14,247.00	4,256.00
		Paging	0.00	0.00	0.00
		Voice	45,978.00	35,403.00	10,575.00
		WAN	0.00	0.00	0.00
		Web Hosting	10,761.00	8,286.00	2,475.00
E-rate Totals			221,610.00	172,020.00	49,590.00

TFS/Elementary E-rate Application	2008	State Totals - Elementary TFS	0.00	0.00	0.00
		State Totals - TFS/Elementary	0.00	0.00	0.00
TFS/Secondary E-rate Application	2008	State Totals - TFS/Secondary	0.00	0.00	0.00

Funding Source	Year		Annual	Disc% Commit	County Match
E-rate funds	2007	Bundled Voice/Long Distance	0.00	0.00	0.00
		Cellular	3,584.00	2,759.90	824.38
		Data Lines	96,768.00	74,511.36	22,256.64
		Internal Conn Maint	0.00	0.00	0.00
		Internal Connections	46,016.00	36,813.36	9,203.34
		Internet Access	0.00	0.00	0.00
		Long Distance	18,502.00	14,247.06	4,255.62
		Paging	0.00	0.00	0.00
		Voice	45,977.00	35,402.81	10,574.87
		WAN	0.00	0.00	0.00
		Web Hosting	10,760.00	8,285.70	2,474.95
E-rate Totals			221,609.00	172,020.19	49,589.80

TFS/Elementary E-rate Application	2007	State Totals - Elementary TFS	0.00	0.00	0.00
		State Totals - TFS/Elementary	0.00	0.00	0.00
TFS/Secondary E-rate Application	2007	State Totals - TFS/Secondary	0.00	0.00	0.00

Funding Source	Year		Annual	Disc% Commit	County Match
E-rate funds	2006	Cellular	3,300.00	2,640.00	660.00
		Data Lines	93,660.00	74,928.00	18,732.00
		Internal Conn Maint	0.00	0.00	0.00
		Internal Connections	9,286.80	7,429.44	1,857.36
		Internet Access	1,500.00	1,200.00	300.00
		Long Distance	9,180.00	7,344.00	1,836.00
		Paging	0.00	0.00	0.00
		Voice	54,887.00	43,909.60	10,977.40
		WAN	0.00	0.00	0.00

	Web Hosting	10,760.65	8,608.52	2,152.13
	E-rate Totals	182,574.45	146,059.56	36,514.89
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State Basic Skills E-rate Application	2006 State Totals - BS/CE	0.00	0.00	0.00
<hr/>				
State SUCCESS E-rate Application	2006 State Totals - SUCCESS	0.00	0.00	0.00
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Funding Source	Year	Annual	Disc% Commit	County Match
<hr/>				
E-rate funds	2005 Cellular	3,000.00	2,400.00	600.00
	Data Lines	80,760.00	64,608.00	16,152.00
	Internal Conn Maint	0.00	0.00	0.00
	Internal Connections	0.00	0.00	0.00
	Internet Access	1,500.00	1,200.00	300.00
	Long Distance	7,020.00	5,616.00	1,404.00
	Paging	3,840.00	3,072.00	768.00
	Voice	55,206.00	44,164.80	11,041.20
	Web Hosting	11,327.00	9,061.60	2,265.40
	E-rate Totals	162,653.00	130,122.40	32,530.60
<hr/>				
State Basic Skills E-rate Application	2005 State Totals - BS/CE	0.00	0.00	0.00
<hr/>				
State SUCCESS E-rate Application	2005 State Totals - SUCCESS	0.00	0.00	0.00
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E-Rate Compliance

County E-Rate Compliance Questions

Acceptable Use Policy

Look at the information included in this section. Revise if any of the information listed is incorrect or needs to be updated.

1. Do you have an Acceptable Use Policy? Yes No

2. If yes, what is the last date of adoption/revision? 02/12/2002

3. When was the public meeting held for CIPA Compliance? 05/10/2001

4. Provide the URL to your acceptable use policy. www.boonecountyboe.org

	Other Schools Buildings Total		
5. Please identify for E-Rate requirements the number of buildings in your county that have Dial Up modem connections to the Internet?	0	0	0
6. Please identify for E-Rate requirements the number of buildings in your county that have 56K frame relay connections to the Internet?	0	2	2
7. Please identify for E-Rate requirements the number of buildings in your county that have T-1 frame relay connections to the Internet?	0	16	16
8. Please identify for E-Rate requirements the number of buildings in your county that have ATM T-1 Internet connections?	0	0	0
9. Please identify for E-Rate requirements the number of buildings in your county that have cable modem connections to the Internet?	0	2	2
10. Please identify for E-Rate requirements the number of buildings in your county that have DSL connections to the Internet?	0	2	2

11. Please identify for E-Rate requirements the number of buildings in your county that have 10 Mb connections to the Internet?	0	0	0
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12. Please identify for E-Rate requirements the number of buildings in your county that have 45 Mb connections to the Internet?	0	0	0
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13. Please identify for E-Rate requirements the number of buildings in your county that have 100 Mb connections to the Internet?	0	15	15
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14. Please identify for E-Rate requirements the number of buildings in your county that have 1 Gb connections to the Internet?	0	0	0
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15. Please identify for E-Rate requirements the number of buildings in your county that have more than 1 Gb connections to the Internet?	0	0	0
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16. Please identify for E-Rate requirements any other configurations that may exist for buildings connecting to the Internet?			
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WORK PLAN SUMMARY

Support/Capacity Building Process

Process Monitoring

Evaluation Process